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|----------|---------|--|---|----|----|------------------|
| S91 | 287 | API and (((learn\$5 with computer) or (smart with computer)) and @ad<"20000728") and (((learn\$5 with computer) or (smart with computer)) and @ad>"19970728")) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/07/14 07:41 |
| S92 | 2526540 | dynamic or interactive or virtual or adjustabl\$5 or modif\$5 or "real time" or "real-time" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/07/14 06:41 |
| S93 | 84 | (API and (((learn\$5 with computer) or (smart with computer)) and @ad<"20000728") and (((learn\$5 with computer) or (smart with computer)) and @ad>"19970728")) and (dynamic or interactive or virtual or adjustabl\$5 or modif\$5 or "real time" or "real-time") and ((Internet or web or www) with (phone or telephone or mobile or cellular)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/07/14 06:42 |
| S94 | 5 | "6438545".URPN. | USPAT | OR | ON | 2004/07/14 06:47 |
| S95 | 0 | "6606613".URPN. | USPAT | OR | ON | 2004/07/14 07:40 |
| S96 | 151 | 706/21.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/07/14 08:02 |
| S97 | 14 | 706/21.ccls. and (((learn\$5 with computer) or (smart with computer)) and @ad<"20000728") and (((learn\$5 with computer) or (smart with computer)) and @ad>"19970728")) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/07/14 07:51 |
| S98 | 818 | 706/25.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/07/14 07:51 |
| S99 | 40 | (706/21.ccls. or 706/25.ccls.) and (((learn\$5 with computer) or (smart with computer)) and @ad<"20000728") and (((learn\$5 with computer) or (smart with computer)) and @ad>"19970728")) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/07/14 08:02 |
| S10 0 | 4858 | 707/3.ccls. or 707/6.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/07/14 08:02 |

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|----------|-------|---|---|----|----|------------------|
| S10 1 | 71 | (707/3.ccls. or 707/6.ccls.) and (((learn\$5 with computer) or (smart with computer)) and @ad<"20000728") and (((learn\$5 with computer) or (smart with computer)) and @ad>"19970728")) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/07/14 08:29 |
| S10 2 | 14 | "6401085".URPN. | USPAT | OR | ON | 2004/07/14 08:10 |
| S10 3 | 9 | "6401085".URPN. and @ad<"20000728" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/07/14 08:30 |
| S10 4 | 15 | "6202062".URPN. | USPAT | OR | ON | 2004/07/14 08:25 |
| S10 5 | 9810 | computer with help | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/07/14 08:30 |
| S10 6 | 2740 | (computer with help) and @ad<"20000728" and @ad>"19970728" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/07/14 09:25 |
| S10 7 | 27136 | user with task | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/07/14 08:31 |
| S10 8 | 408 | ((computer with help) and @ad<"20000728" and @ad>"19970728") and (user with task) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/07/14 08:32 |
| S10 9 | 100 | ((computer with help) and @ad<"20000728" and @ad>"19970728") and (user with task) and ((Internet or web or www) with (phone or telephone or mobile or cellular)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/07/14 08:32 |
| S11 0 | 9 | "6317781".URPN. | USPAT | OR | ON | 2004/07/14 08:50 |
| S11 1 | 4 | "6418424".URPN. | USPAT | OR | ON | 2004/07/14 09:04 |
| S11 2 | 67532 | "345"/\$.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/07/14 09:24 |

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|----------|--------|--|---|----|----|------------------|
| S11 3 | 11141 | "345"/\$.ccls. and @ad<"20000728" and @ad>"19970728" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/07/14 09:25 |
| S11 4 | 456 | (computer with help) and ("345"/\$.ccls. and @ad<"20000728" and @ad>"19970728") | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/07/14 09:25 |
| S11 5 | 28 | ((computer with help) and ("345"/\$.ccls. and @ad<"20000728" and @ad>"19970728")) and ((Internet or web or www) with (phone or telephone or mobile or cellular)) and (dynamic or interactive or virtual or adjustabl\$5 or modif\$5 or "real time" or "real-time") | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/07/14 09:26 |
| S11 6 | 0 | "20020036617".URPN. | USPAT | OR | ON | 2004/07/14 09:26 |
| S11 7 | 2882 | excel and ("thin client" or cellular or (mobile with device) or cellphone or phone) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/07/14 13:07 |
| S11 8 | 911 | (excel and ("thin client" or cellular or (mobile with device) or cellphone or phone)) and @ad<"20000728" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/07/14 13:07 |
| S11 9 | 35 | excel with ("thin client" or cellular or (mobile with device) or cellphone or phone) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/07/14 13:07 |
| S12 0 | 14 | (excel with ("thin client" or cellular or (mobile with device) or cellphone or phone)) and @ad<"20000728" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/07/14 13:08 |
| S12 1 | 638476 | macro or (stor\$5 with (task\$5 or step\$5 or execut\$5 or code or instruct\$5)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/12/22 09:54 |
| S12 2 | 114076 | count\$5 with (task\$5 or process\$5 or program\$5 or application or code or coding or instruc\$5) with (frequency or number or amount or time or occur\$5) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/12/22 09:57 |

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|----------|--------|---|---|----|-----|------------------|
| S12 3 | 49969 | S121 and S122 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/12/22 09:58 |
| S12 4 | 819483 | manual or (user with (input\$5 or action\$5 or respons\$5 or task\$5)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/12/22 10:00 |
| S12 5 | 46740 | (reduc\$5 or decreas\$5 or less\$5) with S124 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/12/22 10:01 |
| S12 6 | 1221 | S123 and S125 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/12/22 12:59 |
| S12 7 | 1687 | favorite with list\$3 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/12/22 12:49 |
| S12 8 | 9 | S126 and S127 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/12/22 12:49 |
| S12 9 | 2 | ("6157935").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/12/22 11:20 |
| S13 0 | 48 | "6157935" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/12/22 11:19 |
| S13 1 | 45 | ("6157935").URPN. | USPAT | OR | ON | 2004/12/22 11:21 |
| S13 2 | 2790 | recent with list\$3 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/12/22 12:49 |
| S13 3 | 18 | S126 and S132 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/12/22 12:50 |

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| S13 4 | 1 | ("6304851").URPN. | USPAT | OR | ON | 2004/12/22 12:57 |
| S13 5 | 406 | (unix or lotus) and inode | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/12/22 12:57 |
| S13 6 | 401 | unix and inode | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/12/22 12:59 |
| S13 7 | 193 | S136 and recent\$3 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/12/22 12:59 |
| S13 8 | 0 | S137 and S126 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/12/22 13:00 |
| S13 9 | 8 | S137 and S125 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/12/22 13:00 |
| S14 0 | 3 | ("6490690").URPN. | USPAT | OR | ON | 2004/12/22 13:26 |
| S14 1 | 93 | inode.ab. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/12/22 13:26 |
| S14 2 | 92292 | task\$5 and (kernal or OS) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/12/22 13:26 |
| S14 3 | 18 | S141 and S142 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/12/22 13:26 |
| S14 4 | 8 | ("5875444").URPN. | USPAT | OR | ON | 2004/12/22 13:28 |
| S14 5 | 1841631 | computer or (process\$5 with unit) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/12/22 13:41 |

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| S14 6 | 5807520 | task or instruct\$5 or program\$5 or execut\$5 or coding or code or function | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/12/22 13:43 |
| S14 7 | 411271 | S146 with (count\$5 or track\$5 or monitor\$5) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/12/22 13:53 |
| S14 8 | 567301 | manual or (user with inputT45) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/12/22 13:43 |
| S14 9 | 115128 | S146 with list\$5 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/12/22 13:43 |
| S15 0 | 91095 | S146 with (count\$5 or track\$5 or monitor\$5) with (record\$5 or copy\$5 or stor\$5) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/12/22 13:54 |
| S15 1 | 26768 | S148 with (reduc\$5 or decreas\$5 or lessen\$5) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/12/22 13:56 |
| S15 2 | 1843853 | computer or (process\$5 with unit) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/12/23 07:40 |
| S15 3 | 5811760 | task or instruct\$5 or program\$5 or execut\$5 or coding or code or function | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/12/23 07:40 |
| S15 4 | 411871 | S153 with (count\$5 or track\$5 or monitor\$5) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/12/23 07:40 |
| S15 5 | 115429 | S153 with list\$5 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/12/23 07:46 |

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|----------|--------|---|---|----|-----|------------------|
| S15 6 | 91237 | S153 with (count\$5 or track\$5 or monitor\$5) with (record\$5 or copy\$5 or stor\$5) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/12/23 07:40 |
| S15 7 | 745476 | manual or (user with input\$5) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/12/23 07:43 |
| S15 8 | 31797 | S157 with (reduc\$5 or decreas\$5 or lessen\$5) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/12/23 07:45 |
| S15 9 | 856 | S152 and S154 and S156 and S158 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/12/23 07:47 |
| S16 0 | 31 | (recent\$3 with list\$3) and S159 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/12/23 09:22 |
| S16 1 | 1 | ("6118447").URPN. | USPAT | OR | ON | 2004/12/23 08:13 |
| S16 2 | 3 | ("6064381").URPN. | USPAT | OR | ON | 2004/12/23 08:14 |
| S16 3 | 2 | ("6067531").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/12/23 09:24 |
| S16 4 | 2 | ("6064381").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/12/23 09:24 |
| S16 5 | 9 | ((("5905900") or ("5796982") or ("5842037") or ("5805167") or ("5974413")).PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/12/23 14:00 |
| S16 6 | 32 | ("5974413").URPN. | USPAT | OR | ON | 2004/12/23 10:08 |
| S16 7 | 10 | ("5905900").URPN. | USPAT | OR | ON | 2004/12/23 11:27 |

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| S168 | 7 | "6438545" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/12/23 11:28 |
| S169 | 2 | ("6438545").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/12/23 11:28 |
| S170 | 1 | S169 and (mandatory or invoke or require or review or recommend\$3 or decipher\$5 or link\$5 or suggest\$5) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/12/23 12:58 |
| S171 | 2 | S169 and (review\$5 or monitor\$5 or process\$5) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/12/23 14:24 |
| S172 | 1 | S169 and (notif\$5 or alert\$5 or suggest\$5 or recommend\$5 or recomend\$5 or review\$5) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/12/23 11:42 |
| S173 | 1 | S169 and (suggest\$5 or recommend\$5 or determin\$5) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/12/23 12:59 |
| S174 | 5 | ("6438545").URPN. | USPAT | OR | ON | 2004/12/23 13:49 |
| S175 | 0 | S174 and ((review\$5 or recomend\$5 or suggest\$5 or hint\$5) with (frequenc\$5 or tim\$5 or number\$5 or repetitiv\$5 or similiar)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/12/23 13:50 |
| S176 | 0 | S169 and ((review\$5 or recomend\$5 or suggest\$5 or hint\$5) with (frequenc\$5 or tim\$5 or number\$5 or repetitiv\$5 or similiar)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/12/23 13:51 |
| S177 | 1 | (S169 or S174) and ((review\$5 or recomend\$5 or suggest\$5 or hint\$5 or build\$5 or develop\$5 or alert\$5 or notify\$5) with (frequenc\$5 or tim\$5 or number\$5 or repetitiv\$5 or similiar or duplicat\$5 or repeat\$5) with (user or client or customer\$5 or computer\$5 or processor or person or subject)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/12/23 13:54 |

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| S17 8 | 86 | "5905900" "5796982" "5842037" "5805167" "5974413" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/12/23 13:53 |
| S17 9 | 19 | S178 and ((review\$5 or recomend\$5 or suggest\$5 or hint\$5 or build\$5 or develop\$5 or alert\$5 or notify\$5) with (frequenc\$5 or tim\$5 or number\$5 or repetitiv\$5 or similiar or duplicat\$5 or repeat\$5) with (user or client or customer\$5 or computer\$5 or processor or person or subject)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/12/23 14:02 |
| S18 0 | 1889 | "Semantic user interface"or (learn\$5 with user with interfac\$5) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/12/23 14:03 |
| S18 1 | 473 | S180 and ((recomend\$5 or suggest\$5 or hint\$5 or build\$5 or develop\$5 or alert\$5 or notify\$5) with (frequenc\$5 or tim\$5 or number\$5 or repetitiv\$5 or similiar or duplicat\$5 or repeat\$5) with (user or client or customer\$5 or computer\$5 or processor or person or subject)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/12/23 14:04 |
| S18 2 | 239 | S181 and @ad<"20000728" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/12/23 14:03 |
| S18 3 | 181 | S182 and (semantic or repetitive or frequency) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/12/23 14:05 |
| S18 4 | 141 | S183 and instruct\$5 and task\$5 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/12/23 14:06 |
| S18 5 | 115 | S184 and @ad>"19960728" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/12/23 14:06 |
| S18 6 | 104 | S185 and Internet and computer | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/12/23 14:10 |

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| S18 7 | 63 | S181 and "707"/\$.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/12/23 14:23 |
| S18 8 | 170793 | user with interface | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/12/23 14:25 |
| S18 9 | 579 | S188 and 707/6.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/12/23 14:25 |
| S19 0 | 32703 | learn\$5 and (hint\$5 or suggest\$5 or recommend\$5) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/12/23 14:26 |
| S19 1 | 79 | S189 and S190 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/12/23 14:27 |
| S19 2 | 60367 | user.ab. and interface.ab. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/12/23 14:27 |
| S19 3 | 1098 | S192 and S190 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/12/23 14:27 |
| S19 4 | 0 | S193 and 705/6.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/12/23 14:27 |
| S19 5 | 126 | S193 and "705"/\$.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/12/23 14:28 |